

PDC ENERGY

**WELD COUNTY, COLORADO
SE SE SEC. 21 T5N R64W 6th P.M.
CHESNUT 21Y-214**

ORIGINAL WELLBORE

14 November, 2015

Plan: PROPOSAL #3





Project: WELD COUNTY, COLORADO
Site: SE SE SEC. 21 T5N R64W 6th P.M.
Well: CHESNUT 21Y-214
Wellbore: ORIGINAL WELLBORE
Design: PROPOSAL #3

ANNOTATIONS									
TVD	MD	Inc	Azi	+N/-S	+E/-W	VSec	Dep	Annotation	
1700.0	1700.0	0.00	0.00	0.0	0.0	0.0	0.0	START NUDGE (2.5°/100ft BUR)	
2948.2	3020.0	33.00	255.00	-95.7	-357.1	57.6	369.7	EOB TO 33° INC	
3131.4	3238.8	33.40	245.03	-136.6	-469.4	65.8	489.4	EOB & T TO 33.4° INC & 245.03° AZ	
3139.6	3248.6	33.64	245.03	-138.9	-474.3	65.7	494.8	EOB TO 33.64° INC	
4731.7	5161.0	33.64	245.03	-586.1	-1434.8	47.1	1554.3	END OF TANGENT	
6001.4	6506.8	0.00	0.00	-748.2	-1782.8	40.4	1938.2	EOD TO VERTICAL	
6031.4	6536.8	0.00	0.00	-748.2	-1782.8	40.4	1938.2	KOP (8°/100ft BUR)	
6747.5	7671.0	90.74	0.00	-22.7	-1782.8	703.3	2663.7	7" ICP - CHESNUT 21Y-214 (P3)	
6695.5	11705.2	90.74	0.00	4011.1	-1782.8	4389.5	6697.5	BHL - CHESNUT 21Y-214 (P3)	

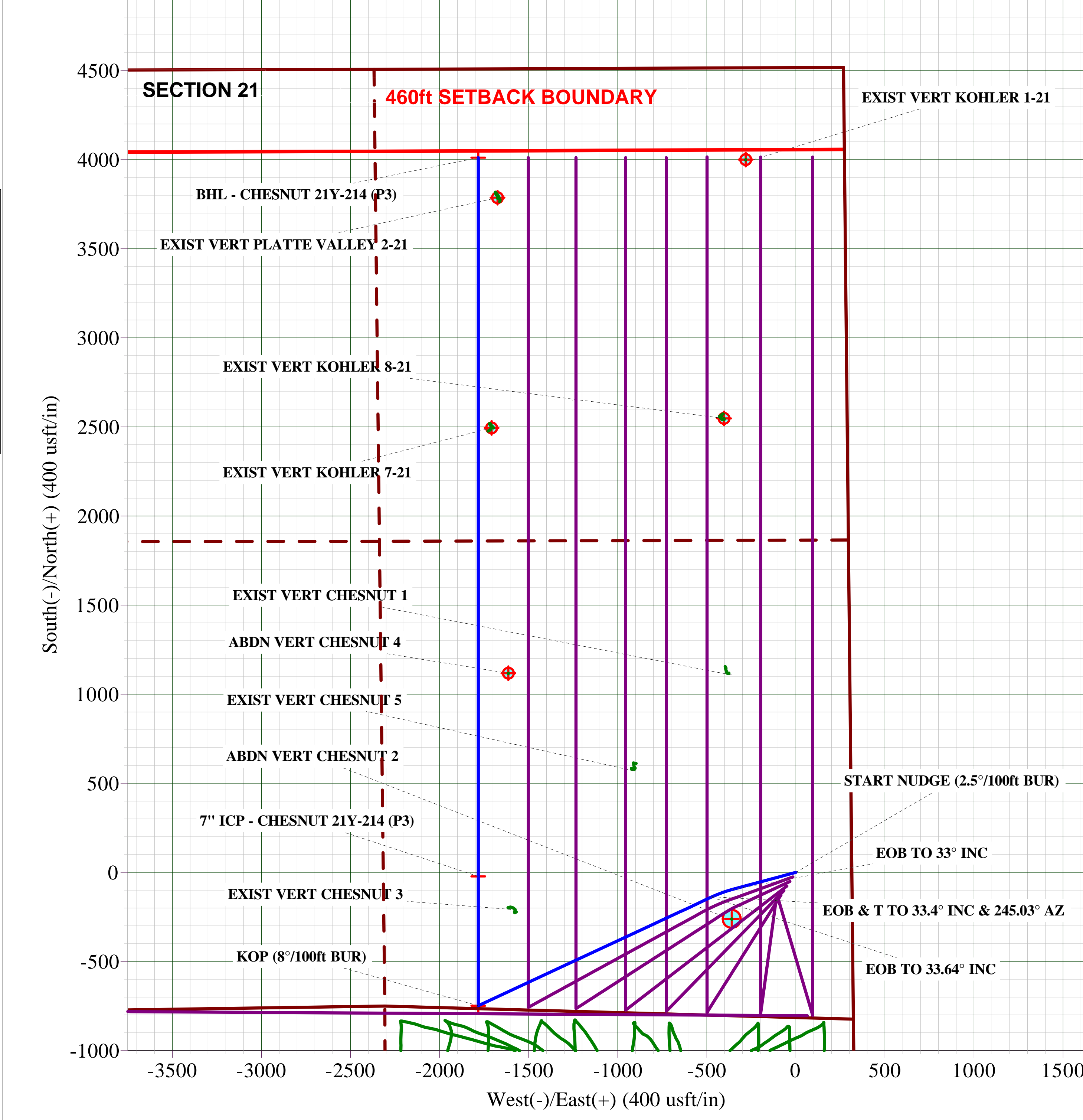
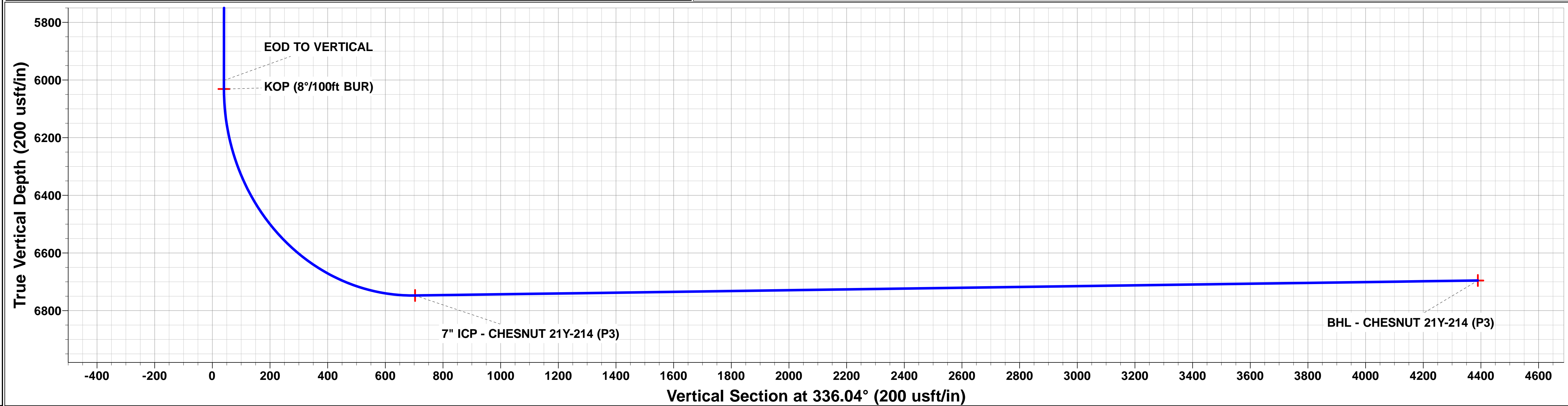
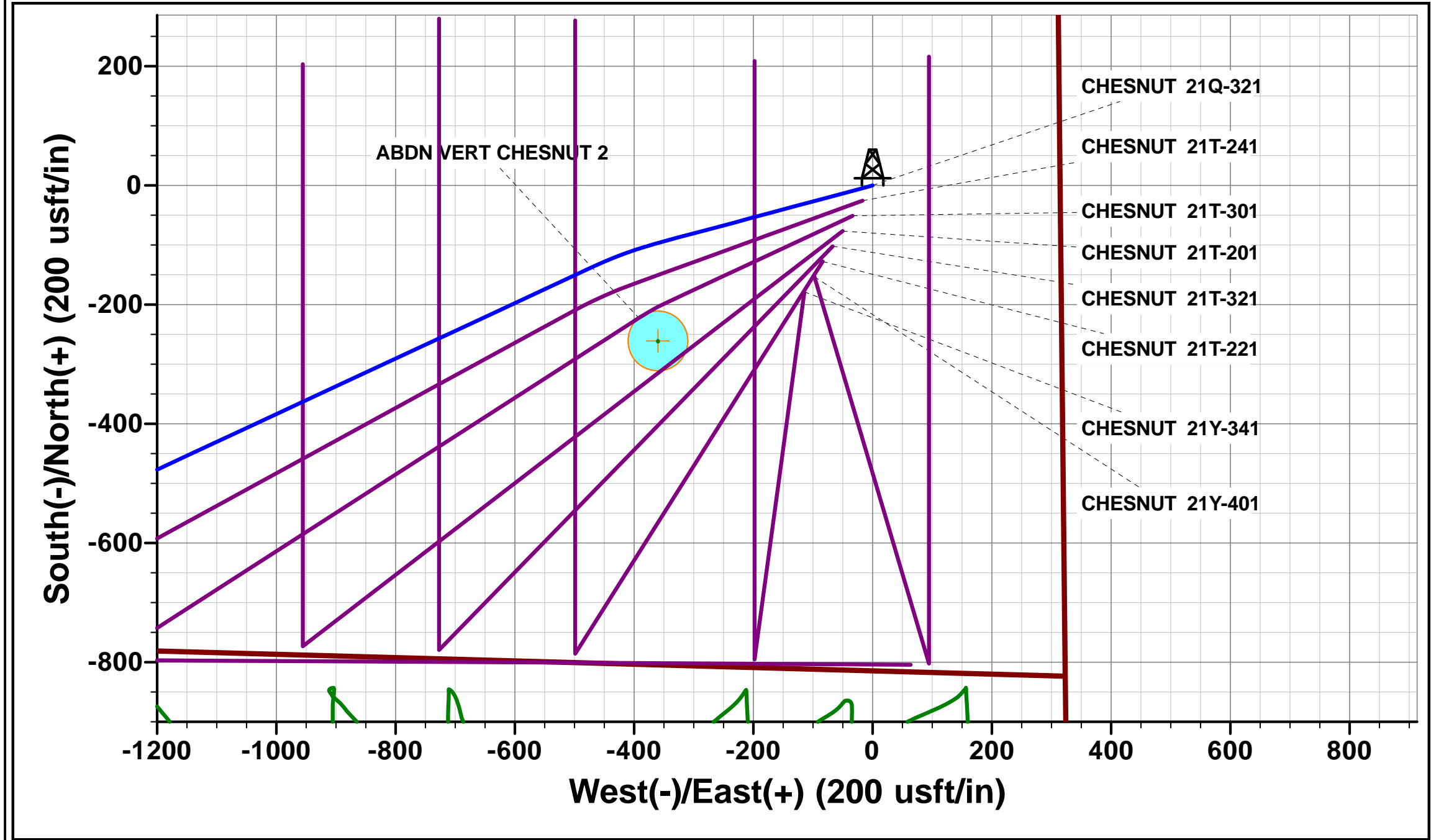
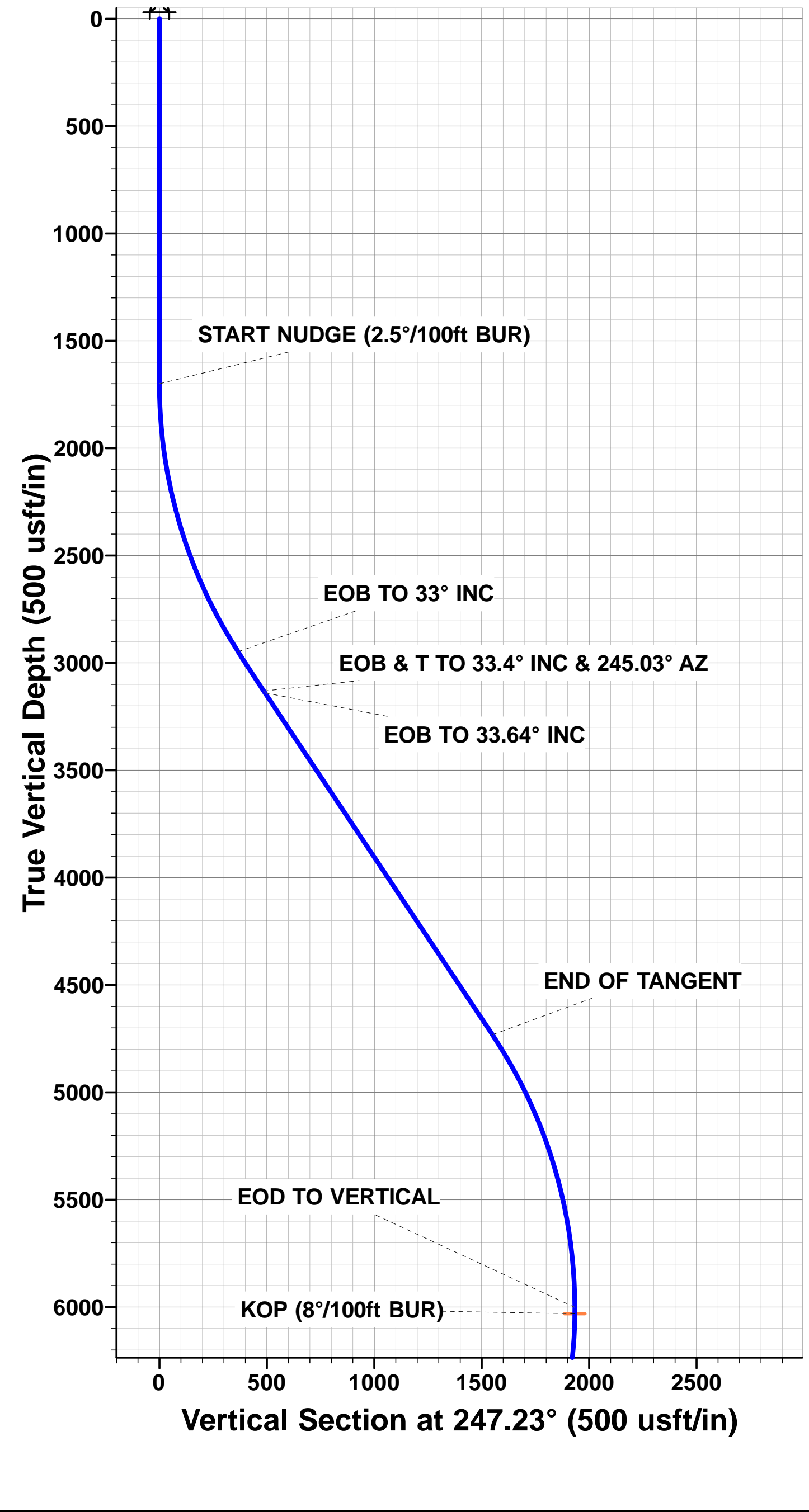
PROPOSED LOCAL COORDINATES:

SHL: 813ft FSL & 314t FEL Sec 21

7" ICP: 790.2ft FSL & 2096.8ft FEL Sec 21

BHL: 500ft FNL & 2056ft FEL Sec 21

WELLBORE TARGET DETAILS (LAT/LONG)					
Name	TVD	+N/-S	+E/-W	Latitude	Longitude
KOP - CHESNUT 21Y-214 (P3)	6031.4	-748.2	-1782.8	40.377656	-104.552829
BHL - CHESNUT 21Y-214 (P3)	6695.5	4011.1	-1782.8	40.390720	-104.552830
7" ICP - CHESNUT 21Y-214 (P3)	6747.5	-22.8	-1782.8	40.379647	-104.552829



Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well CHESNUT 21Y-214
Company:	PDC ENERGY	TVD Reference:	KB-EST @ 4649.5usft
Project:	WELD COUNTY, COLORADO	MD Reference:	KB-EST @ 4649.5usft
Site:	SE SE SEC. 21 T5N R64W 6th P.M.	North Reference:	True
Well:	CHESNUT 21Y-214	Survey Calculation Method:	Minimum Curvature
Wellbore:	ORIGINAL WELLBORE		
Design:	PROPOSAL #3		

Project	WELD COUNTY, COLORADO		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Northern Zone		Using geodetic scale factor

Site	SE SE SEC. 21 T5N R64W 6th P.M.		
Site Position:		Northing:	1,382,418.54 usft
From:	Map	Easting:	3,265,539.58 usft
Position Uncertainty:	0.0 usft	Slot Radius:	1.10000ft
		Latitude:	40.379223
		Longitude:	-104.546846
		Grid Convergence:	0.62 °

Well	CHESNUT 21Y-214		
Well Position	+N/-S	177.4 usft	Northing:
	+E/-W	115.8 usft	Easting:
Position Uncertainty	0.0 usft		Wellhead Elevation:
			Latitude:
			Longitude:
			Ground Level:

Wellbore	ORIGINAL WELLBORE				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	31/08/2015	8.28	66.92	52,611

Design	PROPOSAL #3			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	336.04

Plan Sections											
MD (usft)	Inc (°)	Azi (°)	Vertical Depth	SS (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usf)	Build Rate (°/100usf)	Turn Rate (°/100usf)	TFO (°)	Target
0.0	0.00	0.00	0.0	-4,649.5	0.0	0.0	0.00	0.00	0.00	0.00	
1,700.0	0.00	0.00	1,700.0	-2,949.5	0.0	0.0	0.00	0.00	0.00	0.00	
3,020.0	33.00	255.00	2,948.2	-1,701.3	-95.7	-357.1	2.50	2.50	0.00	255.00	
3,238.8	33.40	245.03	3,131.4	-1,518.1	-136.6	-469.3	2.50	0.18	-4.56	270.00	
3,248.6	33.64	245.03	3,139.6	-1,509.9	-138.9	-474.3	2.50	2.50	0.00	0.00	
5,161.0	33.64	245.03	4,731.6	82.1	-586.1	-1,434.8	0.00	0.00	0.00	0.00	
6,506.8	0.00	0.00	6,001.4	1,351.9	-748.2	-1,782.8	2.50	-2.50	0.00	180.00	
6,536.8	0.00	0.00	6,031.4	1,381.9	-748.2	-1,782.8	0.00	0.00	0.00	0.00	KOP - CHESNUT 2
7,671.0	90.74	0.00	6,747.5	2,098.0	-22.7	-1,782.8	8.00	8.00	0.00	0.00	
11,705.2	90.74	0.00	6,695.5	2,046.0	4,011.1	-1,782.8	0.00	0.00	0.00	165.04	BHL - CHESNUT 2

Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well CHESNUT 21Y-214
Company:	PDC ENERGY	TVD Reference:	KB-EST @ 4649.5usft
Project:	WELD COUNTY, COLORADO	MD Reference:	KB-EST @ 4649.5usft
Site:	SE SE SEC. 21 T5N R64W 6th P.M.	North Reference:	True
Well:	CHESNUT 21Y-214	Survey Calculation Method:	Minimum Curvature
Wellbore:	ORIGINAL WELLBORE		
Design:	PROPOSAL #3		

Planned Survey

MD (usft)	Inc (°)	Azi (°)	TVD (usft)	SS (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	4,649.50	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	4,549.50	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	4,449.50	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	4,349.50	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	4,249.50	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	4,149.50	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	4,049.50	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	3,949.50	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	3,849.50	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	3,749.50	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	3,649.50	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	3,549.50	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	3,449.50	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	3,349.50	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	3,249.50	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	3,149.50	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	3,049.50	0.0	0.0	0.0	0.00	0.00	0.00
START NUDGE (2.5°/100ft BUR)										
1,700.0	0.00	0.00	1,700.0	2,949.50	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	2.50	255.00	1,800.0	2,849.53	-0.6	-2.1	0.3	2.50	2.50	0.00
1,900.0	5.00	255.00	1,899.7	2,749.75	-2.3	-8.4	1.4	2.50	2.50	0.00
2,000.0	7.50	255.00	1,999.1	2,650.36	-5.1	-18.9	3.1	2.50	2.50	0.00
2,100.0	10.00	255.00	2,098.0	2,551.53	-9.0	-33.6	5.4	2.50	2.50	0.00
2,200.0	12.50	255.00	2,196.0	2,453.46	-14.1	-52.5	8.5	2.50	2.50	0.00
2,300.0	15.00	255.00	2,293.2	2,356.33	-20.2	-75.4	12.2	2.50	2.50	0.00
2,400.0	17.50	255.00	2,389.2	2,260.33	-27.5	-102.5	16.5	2.50	2.50	0.00
2,500.0	20.00	255.00	2,483.9	2,165.65	-35.8	-133.5	21.5	2.50	2.50	0.00
2,600.0	22.50	255.00	2,577.0	2,072.45	-45.2	-168.5	27.2	2.50	2.50	0.00
2,700.0	25.00	255.00	2,668.6	1,980.93	-55.6	-207.4	33.5	2.50	2.50	0.00
2,800.0	27.50	255.00	2,758.2	1,891.25	-67.0	-250.1	40.3	2.50	2.50	0.00
2,900.0	30.00	255.00	2,845.9	1,803.58	-79.5	-296.6	47.8	2.50	2.50	0.00
3,000.0	32.50	255.00	2,931.4	1,718.10	-92.9	-346.7	55.9	2.50	2.50	0.00
EOB TO 33° INC										
3,020.0	33.00	255.00	2,948.2	1,701.28	-95.7	-357.1	57.6	2.50	2.50	0.00
3,100.0	33.05	251.33	3,015.3	1,634.20	-108.3	-398.9	63.0	2.50	0.07	-4.59
3,200.0	33.27	246.78	3,099.0	1,550.47	-127.9	-449.9	65.9	2.50	0.22	-4.55
EOB & T TO 33.4° INC & 245.03° AZ										
3,238.8	33.40	245.03	3,131.4	1,518.06	-136.6	-469.4	65.8	2.50	0.33	-4.50
EOB TO 33.64° INC										
3,248.6	33.64	245.03	3,139.6	1,509.89	-138.9	-474.3	65.7	2.50	2.50	0.00
3,300.0	33.64	245.03	3,182.4	1,467.10	-150.9	-500.1	65.2	0.00	0.00	0.00
3,400.0	33.64	245.03	3,265.7	1,383.85	-174.3	-550.3	64.3	0.00	0.00	0.00
3,500.0	33.64	245.03	3,348.9	1,300.60	-197.7	-600.5	63.3	0.00	0.00	0.00
3,600.0	33.64	245.03	3,432.1	1,217.35	-221.0	-650.8	62.3	0.00	0.00	0.00
3,700.0	33.64	245.03	3,515.4	1,134.10	-244.4	-701.0	61.3	0.00	0.00	0.00
3,800.0	33.64	245.03	3,598.6	1,050.85	-267.8	-751.2	60.4	0.00	0.00	0.00
3,900.0	33.64	245.03	3,681.9	967.60	-291.2	-801.4	59.4	0.00	0.00	0.00
4,000.0	33.64	245.03	3,765.1	884.36	-314.6	-851.7	58.4	0.00	0.00	0.00
4,100.0	33.64	245.03	3,848.4	801.11	-338.0	-901.9	57.5	0.00	0.00	0.00
4,200.0	33.64	245.03	3,931.6	717.86	-361.4	-952.1	56.5	0.00	0.00	0.00
4,300.0	33.64	245.03	4,014.9	634.61	-384.8	-1,002.4	55.5	0.00	0.00	0.00
4,400.0	33.64	245.03	4,098.1	551.36	-408.2	-1,052.6	54.5	0.00	0.00	0.00
4,500.0	33.64	245.03	4,181.4	468.11	-431.5	-1,102.8	53.6	0.00	0.00	0.00
4,600.0	33.64	245.03	4,264.6	384.86	-454.9	-1,153.0	52.6	0.00	0.00	0.00

Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well CHESNUT 21Y-214
Company:	PDC ENERGY	TVD Reference:	KB-EST @ 4649.5usft
Project:	WELD COUNTY, COLORADO	MD Reference:	KB-EST @ 4649.5usft
Site:	SE SE SEC. 21 T5N R64W 6th P.M.	North Reference:	True
Well:	CHESNUT 21Y-214	Survey Calculation Method:	Minimum Curvature
Wellbore:	ORIGINAL WELLBORE		
Design:	PROPOSAL #3		

Planned Survey

MD (usft)	Inc (°)	Azi (°)	TVD (usft)	SS (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,700.0	33.64	245.03	4,347.9	301.61	-478.3	-1,203.3	51.6	0.00	0.00	0.00
4,800.0	33.64	245.03	4,431.1	218.37	-501.7	-1,253.5	50.6	0.00	0.00	0.00
4,900.0	33.64	245.03	4,514.4	135.12	-525.1	-1,303.7	49.7	0.00	0.00	0.00
5,000.0	33.64	245.03	4,597.6	51.87	-548.5	-1,353.9	48.7	0.00	0.00	0.00
5,100.0	33.64	245.03	4,680.9	-31.38	-571.9	-1,404.2	47.7	0.00	0.00	0.00
END OF TANGENT										
5,161.0	33.64	245.03	4,731.7	-82.16	-586.1	-1,434.8	47.1	0.00	0.00	0.00
5,200.0	32.67	245.03	4,764.3	-114.81	-595.1	-1,454.1	46.7	2.50	-2.50	0.00
5,300.0	30.17	245.03	4,849.6	-200.14	-617.1	-1,501.4	45.8	2.50	-2.50	0.00
5,400.0	27.67	245.03	4,937.2	-287.67	-637.6	-1,545.2	45.0	2.50	-2.50	0.00
5,500.0	25.17	245.03	5,026.7	-377.22	-656.3	-1,585.5	44.2	2.50	-2.50	0.00
5,600.0	22.67	245.03	5,118.1	-468.62	-673.5	-1,622.3	43.5	2.50	-2.50	0.00
5,700.0	20.17	245.03	5,211.2	-561.71	-688.9	-1,655.4	42.8	2.50	-2.50	0.00
5,800.0	17.67	245.03	5,305.8	-656.30	-702.6	-1,684.8	42.3	2.50	-2.50	0.00
5,900.0	15.17	245.03	5,401.7	-752.21	-714.5	-1,710.4	41.8	2.50	-2.50	0.00
6,000.0	12.67	245.03	5,498.8	-849.27	-724.6	-1,732.2	41.4	2.50	-2.50	0.00
6,100.0	10.17	245.03	5,596.8	-947.28	-733.0	-1,750.2	41.0	2.50	-2.50	0.00
6,200.0	7.67	245.03	5,695.6	-1,046.07	-739.5	-1,764.2	40.7	2.50	-2.50	0.00
6,300.0	5.17	245.03	5,794.9	-1,145.43	-744.3	-1,774.3	40.5	2.50	-2.50	0.00
6,400.0	2.67	245.03	5,894.7	-1,245.19	-747.1	-1,780.5	40.4	2.50	-2.50	0.00
6,500.0	0.17	245.03	5,994.6	-1,345.15	-748.2	-1,782.8	40.4	2.50	-2.50	0.00
EOD TO VERTICAL										
6,506.8	0.00	0.00	6,001.4	-1,351.95	-748.2	-1,782.8	40.4	2.48	-2.48	0.00
KOP (8°/100ft BUR)										
6,536.8	0.00	0.00	6,031.4	-1,381.95	-748.2	-1,782.8	40.4	0.00	0.00	0.00
6,600.0	5.06	0.00	6,094.6	-1,445.07	-745.4	-1,782.8	42.9	8.01	8.01	0.00
6,700.0	13.06	0.00	6,193.2	-1,543.74	-729.7	-1,782.8	57.3	8.00	8.00	0.00
6,800.0	21.06	0.00	6,288.8	-1,639.26	-700.4	-1,782.8	84.1	8.00	8.00	0.00
6,900.0	29.06	0.00	6,379.3	-1,729.78	-658.0	-1,782.8	122.8	8.00	8.00	0.00
7,000.0	37.06	0.00	6,463.0	-1,813.52	-603.5	-1,782.8	172.6	8.00	8.00	0.00
7,100.0	45.06	0.00	6,538.4	-1,888.86	-537.9	-1,782.8	232.6	8.00	8.00	0.00
7,200.0	53.06	0.00	6,603.8	-1,954.33	-462.4	-1,782.8	301.5	8.00	8.00	0.00
7,300.0	61.06	0.00	6,658.2	-2,008.66	-378.6	-1,782.8	378.2	8.00	8.00	0.00
7,400.0	69.06	0.00	6,700.3	-2,050.80	-288.0	-1,782.8	460.9	8.00	8.00	0.00
7,500.0	77.06	0.00	6,729.4	-2,079.91	-192.4	-1,782.8	548.3	8.00	8.00	0.00
7,600.0	85.06	0.00	6,744.9	-2,095.44	-93.7	-1,782.8	638.5	8.00	8.00	0.00
7" ICP - CHESNUT 21Y-214 (P3)										
7,671.0	90.74	0.00	6,747.5	-2,098.04	-22.7	-1,782.8	703.3	8.00	8.00	0.00
7,700.0	90.74	0.00	6,747.2	-2,097.66	6.3	-1,782.8	729.8	0.00	0.00	0.00
7,800.0	90.74	0.00	6,745.9	-2,096.37	106.2	-1,782.8	821.2	0.00	0.00	0.00
7,900.0	90.74	0.00	6,744.6	-2,095.08	206.2	-1,782.8	912.5	0.00	0.00	0.00
8,000.0	90.74	0.00	6,743.3	-2,093.79	306.2	-1,782.8	1,003.9	0.00	0.00	0.00
8,100.0	90.74	0.00	6,742.0	-2,092.50	406.2	-1,782.8	1,095.3	0.00	0.00	0.00
8,200.0	90.74	0.00	6,740.7	-2,091.21	506.2	-1,782.8	1,186.7	0.00	0.00	0.00
8,300.0	90.74	0.00	6,739.4	-2,089.92	606.2	-1,782.8	1,278.0	0.00	0.00	0.00
8,400.0	90.74	0.00	6,738.1	-2,088.62	706.2	-1,782.8	1,369.4	0.00	0.00	0.00
8,500.0	90.74	0.00	6,736.8	-2,087.33	806.2	-1,782.8	1,460.8	0.00	0.00	0.00
8,600.0	90.74	0.00	6,735.5	-2,086.04	906.2	-1,782.8	1,552.2	0.00	0.00	0.00
8,700.0	90.74	0.00	6,734.3	-2,084.75	1,006.2	-1,782.8	1,643.5	0.00	0.00	0.00
8,800.0	90.74	0.00	6,733.0	-2,083.46	1,106.2	-1,782.8	1,734.9	0.00	0.00	0.00
8,900.0	90.74	0.00	6,731.7	-2,082.17	1,206.2	-1,782.8	1,826.3	0.00	0.00	0.00
9,000.0	90.74	0.00	6,730.4	-2,080.88	1,306.1	-1,782.8	1,917.6	0.00	0.00	0.00
9,100.0	90.74	0.00	6,729.1	-2,079.59	1,406.1	-1,782.8	2,009.0	0.00	0.00	0.00

Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well CHESNUT 21Y-214
Company:	PDC ENERGY	TVD Reference:	KB-EST @ 4649.5usft
Project:	WELD COUNTY, COLORADO	MD Reference:	KB-EST @ 4649.5usft
Site:	SE SE SEC. 21 T5N R64W 6th P.M.	North Reference:	True
Well:	CHESNUT 21Y-214	Survey Calculation Method:	Minimum Curvature
Wellbore:	ORIGINAL WELLBORE		
Design:	PROPOSAL #3		

Planned Survey

MD (usft)	Inc (°)	Azi (°)	TVD (usft)	SS (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,200.0	90.74	0.00	6,727.8	-2,078.30	1,506.1	-1,782.8	2,100.4	0.00	0.00	0.00
9,300.0	90.74	0.00	6,726.5	-2,077.01	1,606.1	-1,782.8	2,191.8	0.00	0.00	0.00
9,400.0	90.74	0.00	6,725.2	-2,075.72	1,706.1	-1,782.8	2,283.1	0.00	0.00	0.00
9,500.0	90.74	0.00	6,723.9	-2,074.43	1,806.1	-1,782.8	2,374.5	0.00	0.00	0.00
9,600.0	90.74	0.00	6,722.6	-2,073.14	1,906.1	-1,782.8	2,465.9	0.00	0.00	0.00
9,700.0	90.74	0.00	6,721.3	-2,071.85	2,006.1	-1,782.8	2,557.3	0.00	0.00	0.00
9,800.0	90.74	0.00	6,720.1	-2,070.56	2,106.1	-1,782.8	2,648.6	0.00	0.00	0.00
9,900.0	90.74	0.00	6,718.8	-2,069.27	2,206.1	-1,782.8	2,740.0	0.00	0.00	0.00
10,000.0	90.74	0.00	6,717.5	-2,067.98	2,306.1	-1,782.8	2,831.4	0.00	0.00	0.00
10,100.0	90.74	0.00	6,716.2	-2,066.69	2,406.1	-1,782.8	2,922.7	0.00	0.00	0.00
10,200.0	90.74	0.00	6,714.9	-2,065.40	2,506.0	-1,782.8	3,014.1	0.00	0.00	0.00
10,300.0	90.74	0.00	6,713.6	-2,064.11	2,606.0	-1,782.8	3,105.5	0.00	0.00	0.00
10,400.0	90.74	0.00	6,712.3	-2,062.82	2,706.0	-1,782.8	3,196.9	0.00	0.00	0.00
10,500.0	90.74	0.00	6,711.0	-2,061.53	2,806.0	-1,782.8	3,288.2	0.00	0.00	0.00
10,600.0	90.74	0.00	6,709.7	-2,060.24	2,906.0	-1,782.8	3,379.6	0.00	0.00	0.00
10,700.0	90.74	0.00	6,708.5	-2,058.95	3,006.0	-1,782.8	3,471.0	0.00	0.00	0.00
10,800.0	90.74	0.00	6,707.2	-2,057.67	3,106.0	-1,782.8	3,562.4	0.00	0.00	0.00
10,900.0	90.74	0.00	6,705.9	-2,056.38	3,206.0	-1,782.8	3,653.7	0.00	0.00	0.00
11,000.0	90.74	0.00	6,704.6	-2,055.09	3,306.0	-1,782.8	3,745.1	0.00	0.00	0.00
11,100.0	90.74	0.00	6,703.3	-2,053.80	3,406.0	-1,782.8	3,836.5	0.00	0.00	0.00
11,200.0	90.74	0.00	6,702.0	-2,052.51	3,506.0	-1,782.8	3,927.8	0.00	0.00	0.00
11,300.0	90.74	0.00	6,700.7	-2,051.22	3,606.0	-1,782.8	4,019.2	0.00	0.00	0.00
11,400.0	90.74	0.00	6,699.4	-2,049.93	3,705.9	-1,782.8	4,110.6	0.00	0.00	0.00
11,500.0	90.74	0.00	6,698.1	-2,048.64	3,805.9	-1,782.8	4,202.0	0.00	0.00	0.00
11,600.0	90.74	0.00	6,696.9	-2,047.36	3,905.9	-1,782.8	4,293.3	0.00	0.00	0.00
11,700.0	90.74	0.00	6,695.6	-2,046.07	4,005.9	-1,782.8	4,384.7	0.00	0.00	0.00
BHL - CHESNUT 21Y-214 (P3)										
11,705.2	90.74	0.00	6,695.5	-2,046.00	4,011.1	-1,782.8	4,389.5	0.00	0.00	0.00

Plan Annotations

MD (usft)	TVD (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
1,700.0	1,700.0	0.0	0.0	START NUDGE (2.5°/100ft BUR)
3,020.0	2,948.2	-95.7	-357.1	EOB TO 33° INC
3,238.8	3,131.4	-136.6	-469.4	EOB & T TO 33.4° INC & 245.03° AZ
3,248.6	3,139.6	-138.9	-474.3	EOB TO 33.64° INC
5,161.0	4,731.7	-586.1	-1,434.8	END OF TANGENT
6,506.8	6,001.4	-748.2	-1,782.8	EOD TO VERTICAL
6,536.8	6,031.4	-748.2	-1,782.8	KOP (8°/100ft BUR)
7,671.0	6,747.5	-22.7	-1,782.8	7" ICP - CHESNUT 21Y-214 (P3)
11,705.2	6,695.5	4,011.1	-1,782.8	BHL - CHESNUT 21Y-214 (P3)